

**AUTOMOTIVE MECHANIC  
STUDY GUIDE**

A written examination for the class of **AUTOMOTIVE MECHANIC** to be administered in **LAKE CHARLES** on **SEPTEMBER 30, 2015**, will consist of approximately 100 multiple-choice questions. The examination will test your knowledge in the following subject areas:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<b>SUSPENSION AND BRAKE SYSTEMS</b>  Knowledge of suspension, and brake systems sufficient to perform maintenance, make repairs, or adjust the systems when needed.	12.0%
<b>AIR CONDITIONING/COOLING SYSTEMS</b>  Knowledge of air conditioning and cooling systems sufficient to perform maintenance and repair when needed.	12.0%
<b>LUBRICATING AND EMISSION SYSTEMS</b>  Knowledge of lubricating and emissions systems sufficient to perform maintenance, repairs or adjustments to the system when needed.	12.0%
<b>DRIVE TRAIN SYSTEMS</b>  Knowledge of drive train systems sufficient to perform maintenance, repairs or adjustments to the system when needed.	6.0%
<b>FUEL SYSTEMS</b>  Knowledge of fuel systems sufficient to perform maintenance, repairs or adjustments to the systems when needed.	6.0%
<b>ELECTRICAL SYSTEMS</b>  Knowledge of electrical systems sufficient to perform maintenance, repairs, or adjustments to the system when needed.	6.0%

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<b>ENGINE MECHANICS</b>  Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repair.	12.0%
<b>GENERAL AUTOMOTIVE MAINTENANCE/AUTOMOTIVE MAINTENANCE INSTRUMENTS</b>  Knowledge of general automotive equipment sufficient to troubleshoot, diagnose, and repair malfunctioning components, including the use and care of instruments and tools.	12.0%
<b>MAINTENANCE AND REPAIR OF PORTABLE EQUIPMENT</b>  Knowledge of portable equipment sufficient to perform maintenance and repairs, including portable generators and pumps, power saws, lawn mowers, and edges, and verifying that equipment is tested and meets applicable standards.	6.0%
<b>MANAGING EQUIPMENT/ PROPERTY/ SUPPLIES</b>  Knowledge of the maintenance of equipment, property, and supplies, including inventory control, and verifying that equipment is tested and meets applicable standards.	6.0%
<b>REPORTS</b>  Knowledge of effective report preparation requiring the ability to compose complete sentences, use correct grammar and punctuation, organize ideas in a logical sequence, and related skills, as well as retrieving records, reports, or forms from files when needed.	10.0%

### **REFERENCE LIST**

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the majority of test questions are sourced from those references listed under the Primary List.

### **PRIMARY REFERENCE MATERIAL**

**MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2014.**

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.